

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

Summary Memorandum

Site ID: WA D980185805
County: Yakima
Priority Assessment: MEDIUM
Backlog Red. Cat.:
Date/Revised: 11/20/84

Name and Location:

Boise Cascade - Yakima Site
805 N. 7th St.
Yakima, WA 98901

Contact: R. Atachbar
Telephone: (206) 384-7247
Site Status: (X) Active () Inactive () Unknown

Site Description/TSD Activities:

Facility is a lumber mill & plywood/veneer manufacturer which has been in business for many years. Sludges & ash from air stripper are land-filled on site. Wastewater from plywood plant goes to unlined (?) evaporation pond. CERCLA 103(c) notification says asbestos and mixed caustic were landfilled until mid-1970s.

Waste Types/Quantities/Characteristics:

Sludges & ash from airstripper contain heavy metals in unknown concentrations, but the material has not failed toxicity testing. Wastewater from plywood plant contains waste urea-formaldehyde based glues, and probably phenols. Unknown what the 9000 lbs of caustic were that were dumped previously; asbestos is not likely to be mobile in the landfill.

Physical/Social Environment:

Site is located in mixed residential/commercial area of NE Yakima. Three parks & five schools within one mile. Site is adjacent to Yakima River.

Pollutant Mobilization/Pathways/Risk:

Major pathway would be through GW which is in shallow alluvium of the Yakima River. Domestic wells tap this aquifer. Boise Cascade's well on site is a deep (>1000 ft) artesian well. GW is extensively used in the Yakima area.

Priority Assessment/Backlog Reduction Category:

MED: GW flow is most likely toward the river, making most wells upgradient of the facility. No problem is expected from the asbestos assuming that it is adequately covered. Extensive use of GW in area. Yakima River is important recreational resource.

Followup Recommendations:

Effort should be made to locate the asbestos/caustic landfill on site & to conduct soils/GW sampling to determine the potential magnitude of any problem which may exist from the caustic. The lining (or lack thereof) of the plywood plant evaporation pit should be checked to determine its adequacy and subsequent sampling of soils around pit should be conducted to determine contamination if lining is not adequate.

USEPA SF



1578837

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT Part 1 - Site Information and Assessment						I. IDENTIFICATION	
						01 State WA	02 Site Number D980185805
II. SITE NAME AND LOCATION							
01 Site Name (legal, common, or descriptive name of site) Boise Cascade-Yakima Site				02 Street, Route No., or Specific Location Identifier 805 N. 7th St.			
03 City Yakima		04 State WA		05 Zip Code 98901		06 County Yakima	
		07 County Code 077		08 Cong Dist 04			
09 Coordinates <div style="display: flex; justify-content: space-between;"> Latitude 463730.0 Longitude 1203625.0 </div>				Section/Township/Range Sec. 18, T13N, R19E, WM			
10 Directions to Site (starting from nearest public road)							
III. RESPONSIBLE PARTIES							
01 Owner (if known) Boise Cascade Corp.				02 Street (business, mailing, residential) One Jefferson Square			
03 City Boise		04 State ID		05 Zip Code 83728		06 Telephone Number (208) 3847247	
07 Operator (if known and different from owner) Boise Cascade				08 Street (business, mailing, residential) 805 N. 7th St.			
09 City Yakima		10 State WA		11 Zip Code 98901		12 Telephone Number (509) 4533131	
13 Type of Ownership (check one) <input checked="" type="checkbox"/> A. Private <input type="checkbox"/> B. Federal: <input type="checkbox"/> C. State <input type="checkbox"/> D. County <input type="checkbox"/> E. Municipal <input type="checkbox"/> F. Other: <input type="checkbox"/> G. Unknown							
14 Owner/Operator Notification on File (check all that apply) <input type="checkbox"/> A. RCRA 3001, Date Rec'd: / / <input checked="" type="checkbox"/> B. Uncontrolled Waste Site (CERCLA 103c), Date Rec'd 06 / 09 / 81 <input type="checkbox"/> C. None							
IV. CHARACTERIZATION OF POTENTIAL HAZARD							
01 On Site Inspection By (check all that apply): <input checked="" type="checkbox"/> Yes, Date: 70 / -- / 84 <input type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA Contractor <input checked="" type="checkbox"/> C. State <input type="checkbox"/> D. Other Contractor <input type="checkbox"/> No <input type="checkbox"/> E. Local Health Official <input type="checkbox"/> F. Other: Contractors Name(s):							
02 Site Status (check one) <input checked="" type="checkbox"/> A. Active <input type="checkbox"/> B. Inactive <input type="checkbox"/> C. Unknown				03 Years of Operation beginning year ending year <div style="display: flex; justify-content: space-around;"> Unk Pres () Unknown </div>			
04 Description of Substances Possibly Present, Known, or Alleged Facility is a lumber mill and plywood manufacturer. In 1981, 103(c) notification filed by company indicated landfilled asbestos insulation and 9,000 lbs of "mixed caustics". Sludges & ash from air stripper (metals) are landfilled on site as well. Wastewater from plywood plant goes to evaporation pond, not known to be lined. Probable phenols, & formaldehyde in this pond.							
05 Description of Potential Hazard to Environment and/or Population Relatively high potential that GW is contaminated. Soils are gravelly alluvium of high permeability. Use of GW in area is extensive.							
V. PRIORITY ASSESSMENT							
01 Priority for Inspection (check one; if high or medium is checked, complete Part 2 and Part 3) <input type="checkbox"/> A. High (inspection required promptly) <input checked="" type="checkbox"/> B. Medium (inspection required) <input type="checkbox"/> C. Low (inspect on time available basis) <input type="checkbox"/> D. None (no further action needed complete current disposition form)							
VI. INFORMATION AVAILABLE FROM							
01 Contact Ned Therien		02 Of (agency/organization) WDOE				03 Telephone Number (206) 4596352	
04 Person Responsible for Assessment Barbara Morson		05 Agency JRB Associates		06 Organization JRB Associates		07 Telephone Number (206) 4596352	
				08 Date 11 / 20 / 84			

**POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT**
Part 3 - Description of Hazardous Conditions & Incidents

I. IDENTIFICATION

01 State WA	02 Site Number D980185805
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II. HAZARDOUS CONDITIONS AND INCIDENTS

- | | |
|--|---|
| <p>01 (X) A. Groundwater Contamination</p> <p>03 Population Potentially Affected: <7000</p> <p>Wastes landfilled on site, & discharges from plywood operation go to unlined evaporation pit. Sludges & ash (with metals) from air stripper are landfilled. GW is at <10 ft. in gravelly alluvium of Yakima River.</p> | <p>02 () Observed (Date:) (X) Potential () Alleged</p> <p>04 Narrative Description</p> |
| <p>01 (X) B. Surface Water Contamination</p> <p>03 Population Potentially Affected: 0</p> <p>None reported. Nearest SW is directly E and NE of site -- Yakima River. Facility has permitted discharges to river, with violations only of BOD/COD & occasionally pH. Unknown if other wastes landfilled have leached to river.</p> | <p>02 () Observed (Date:) (X) Potential () Alleged</p> <p>04 Narrative Description</p> |
| <p>01 (X) C. Contamination of Air</p> <p>03 Population Potentially Affected: 4700</p> <p>None reported. Facility has plywood plant on site. Airstripper is present on stacks and sludge and ash is landfilled on site. 4700 residents within one mile of site.</p> | <p>02 () Observed (Date:) (X) Potential () Alleged</p> <p>04 Narrative Description</p> |
| <p>01 (X) D. Fire/Explosive Conditions</p> <p>03 Population Potentially Affected: 0</p> <p>No known certified fire threat.</p> | <p>02 () Observed (Date:) () Potential () Alleged</p> <p>04 Narrative Description</p> |
| <p>01 (X) E. Direct Contact</p> <p>03 Population Potentially Affected: 0</p> <p>Site is fenced on street side. Only other access would be via river; potential for this is probably remote.</p> | <p>02 () Observed (Date:) () Potential () Alleged</p> <p>04 Narrative Description</p> |
| <p>01 (X) F. Contamination of Soil</p> <p>03 Area Potentially Affected (acres): <10</p> <p>Soils are gravelly alluvium with high permeability. Wastes are landfilled on site and plywood plant washwater goes to probably unlined(?) evaporation pit. High potential for soils contamination.</p> | <p>02 () Observed (Date:) (X) Potential () Alleged</p> <p>04 Narrative Description</p> |
| <p>01 (X) G. Drinking Water Contamination</p> <p>03 Population Potentially Affected: <7000</p> <p>Nearest well is an artesian well on site; this is >1000 ft deep. Some shallow wells in vicinity <69 ft deep. Surface water intakes are upstream or >3 miles downstream. Some potential for drinking water contamination.</p> | <p>02 () Observed (Date:) (X) Potential () Alleged</p> <p>04 Narrative Description</p> |
| <p>01 (X) H. Worker Exposure/Injury</p> <p>03 Workers Potentially Affected: 0</p> <p>None reported or suspected.</p> | <p>02 () Observed (Date:) () Potential () Alleged</p> <p>04 Narrative Description</p> |
| <p>01 (X) I. Population Exposure/Injury</p> <p>03 Population Potentially Affected: <7000</p> <p>Most likely route is through drinking water contamination. High use of GW for drinking throughout Yakima area, with many shallow wells.</p> | <p>02 () Observed (Date:) (X) Potential () Alleged</p> <p>04 Narrative Description</p> |

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
Part 3 - Description of Hazardous Conditions & Incidents

I. IDENTIFICATION

01 State

02 Site Number

WA

D980185805

II. HAZARDOUS CONDITIONS AND INCIDENTS (continued)

01 (X) J. Damage to Flora

02 () Observed (Date:)

() Potential

() Alleged

04 Narrative Description

None reported or suspected.

01 (X) K. Damage to Fauna

02 () Observed (Date:)

() Potential

() Alleged

04 Narrative Description (include name[s] of species)

None reported or suspected.

01 (X) L. Contamination of Food Chain

02 () Observed (Date:)

() Potential

() Alleged

04 Narrative Description

None reported or suspected.

01 (X) M. Unstable Containment of Wastes

02 () Observed (Date:)

(X) Potential

() Alleged

(spills/runoff/standing liquids/leaking drums)

03 Population Potentially Affected:

04 Narrative Description

Wastes landfilled on site in (as far as is known) unlined fill areas.
Unknown how well contained these wastes are.

01 (X) N. Damage to Offsite Property

02 () Observed (Date:)

() Potential

() Alleged

04 Narrative Description

None reported or suspected.

01 (X) O. Contamination of Sewers,
Storm Drains, WWTPs

02 () Observed (Date:)

(X) Potential

() Alleged

04 Narrative Description

None reported. Facility has permitted discharge (intermittent) from plywood plant evaporation; this used to be a problem, but has not been for several years according to the Yakima Sewer Utility.

01 (X) P. Illegal/Unauthorized Dumping

02 () Observed (Date:)

() Potential

() Alleged

04 Narrative Description

None reported or suspected.

05 Description of Any Other Known, Potential, or Alleged Hazards
None known.

III. TOTAL POPULATION POTENTIALLY AFFECTED: < 7000

IV. COMMENTS

State has never pursued information from 103(c) notification in order to assess contamination from asbestos & mixed caustics, nor is there any confirmation as to whether plywood plant evaporation pond is lined. Sludge & ash from air stripper have not failed toxicity test, but have not been analyzed for individual substances.

V. SOURCES OF INFORMATION (cite specific references: state files, reports, etc.)

EPA/ERRIS Files; WDOE Files; A. Newman, WDOE, pers. comm. (9/28/84); DSHS Computer Files; WDOE Well Logs; C. Waarvick, Yakima Sewer Utility, (9/28/84); T. Wick, Yakima Water Dept, 7/23/84; 1980 Fed. Census; USGS Yakima W & E Quad (1974, 1953).



POTENTIAL HAZARDOUS WASTE SITE
DISPOSITION

REGION

SITE NUMBER

10

WAD980185805

File this form in the regional Hazardous Waste Log File and submit a copy to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Task Force (EN-335); 401 M St., SW; Washington, DC 20460.

I. SITE IDENTIFICATION

A. SITE NAME

BOISE CASCADE - YAKIMA SITE

B. STREET

805 NORTH 7TH STREET

C. CITY

YAKIMA

D. STATE

WA

E. ZIP CODE

98901

II. TENTATIVE DISPOSITION

Indicate the recommended action(s) and agency(ies) that should be involved by marking 'X' in the appropriate boxes.

RECOMMENDATION	MARK 'X'	ACTION AGENCY			
		EPA	STATE	LOCAL	PRIVATE
A. NO ACTION NEEDED -- NO HAZARD					
B. INVESTIGATIVE ACTION(S) NEEDED (If yes, complete Section III.)	X				
C. REMEDIAL ACTION NEEDED (If yes, complete Section IV.)					
D. ENFORCEMENT ACTION NEEDED (if yes, specify in Part E whether the case will be primarily managed by the EPA or the State and what type of enforcement action is anticipated.)					

E. RATIONALE FOR DISPOSITION

SOURCES OF INFORMATION

LUMBER MILL & PLYWOOD/VENEER MANUF. ON SITE. MIXED CAUSTICS, SLUDGES & ASH FROM AIR STRIPPER LANDFILLED ON-SITE. WASTEWATER FROM PLYWOOD PLANT GOES TO UNLINED POND. GROUNDWATER IS SHALLOW UNDER POROUS SOILS / WDOE FILES, 103 C NOTIFICATION.

KSOB: 1

F. INDICATE THE ESTIMATED DATE OF FINAL DISPOSITION (mo., day, & yr.)

G. IF A CASE DEVELOPMENT PLAN IS NECESSARY, INDICATE THE ESTIMATED DATE ON WHICH THE PLAN WILL BE DEVELOPED (mo., day, & yr.)

H. PREPARER INFORMATION

1. NAME

ROBERT KIEVIT

2. TELEPHONE NUMBER

(206) 753-9014

3. DATE (mo., day, & yr.)

1-2-85

III. INVESTIGATIVE ACTIVITY NEEDED

A. IDENTIFY ADDITIONAL INFORMATION NEEDED TO ACHIEVE A FINAL DISPOSITION.

SOIL & GROUNDWATER SAMPLES IN THE LANDFILL AREA. GROUNDWATER SAMPLING DOWNGRADIENT FROM THE PLYWOOD PLANT POND.

PRIORITY: MEDIUM

glm 3-5-85 ma

B. PROPOSED INVESTIGATIVE ACTIVITY (Detailed Information)

1. METHOD FOR OBTAINING NEEDED ADDITIONAL INFO.	2. SCHEDULED DATE OF ACTION (mo, day, & yr)	3. TO BE PERFORMED BY (EPA, Contractor, State, etc.)	4. ESTIMATED MANHOURS	5. REMARKS
a. TYPE OF SITE INSPECTION				
(1)				
(2)				
(3)				
b. TYPE OF MONITORING				
(1)				
(2)				
c. TYPE OF SAMPLING				
(1)				
(2)				

III. INVESTIGATIVE ACTIVITY NEEDED and PART B - PROPOSED INVESTIGATIVE ACTIVITY (Continued)

d. TYPE OF LAB ANALYSIS				
(1) _____				
(2) _____				
e. OTHER (specify)				
(1) _____				
(2) _____				

C. ELABORATE ON ANY OF THE INFORMATION PROVIDED IN PART B (on front & above) AS NEEDED TO IDENTIFY ADDITIONAL INVESTIGATIVE WORK.

D. ESTIMATED MANHOURS BY ACTION AGENCY

1. ACTION AGENCY	2. TOTAL ESTIMATED MANHOURS FOR INVESTIGATIVE ACTIVITIES	1. ACTION AGENCY	2. TOTAL ESTIMATED MANHOURS FOR INVESTIGATIVE ACTIVITIES
a. EPA		b. STATE	
c. EPA CONTRACTOR		d. OTHER (specify)	

IV. REMEDIAL ACTIONS

A. SHORT TERM/EMERGENCY STRATEGY (On Site & Off-Site): List all emergency actions needed to bring site under immediate control, e.g., restrict access, provide alternate water supply, etc. See instructions for a list of Key Words for each of the actions to be used in the space below.

1. ACTION	2. EST. START DATE (mo, day, & yr)	3. EST. END DATE (mo, day, & yr)	4. ACTION AGENCY (EPA, State, Private Party)	5. ESTIMATED COST	6. SPECIFY 311 OR OTHER ACTION; INDICATE THE MAGNITUDE OF THE WORK REQUIRED
				\$	
				\$	
				\$	
				\$	
				\$	
				\$	

B. LONG TERM STRATEGY (On Site & Off-Site): List all long term solutions, e.g., excavation, removal, ground water monitoring wells, etc. See instructions for a list of Key Words for each of the actions to be used in the spaces below.

1. ACTION	2. EST. START DATE (mo, day, & yr)	3. EST. END DATE (mo, day, & yr)	4. ACTION AGENCY (EPA, State, Private Party)	5. ESTIMATED COST	6. SPECIFY 311 OR OTHER ACTION; INDICATE THE MAGNITUDE OF THE WORK REQUIRED
				\$	
				\$	
				\$	
				\$	
				\$	
				\$	

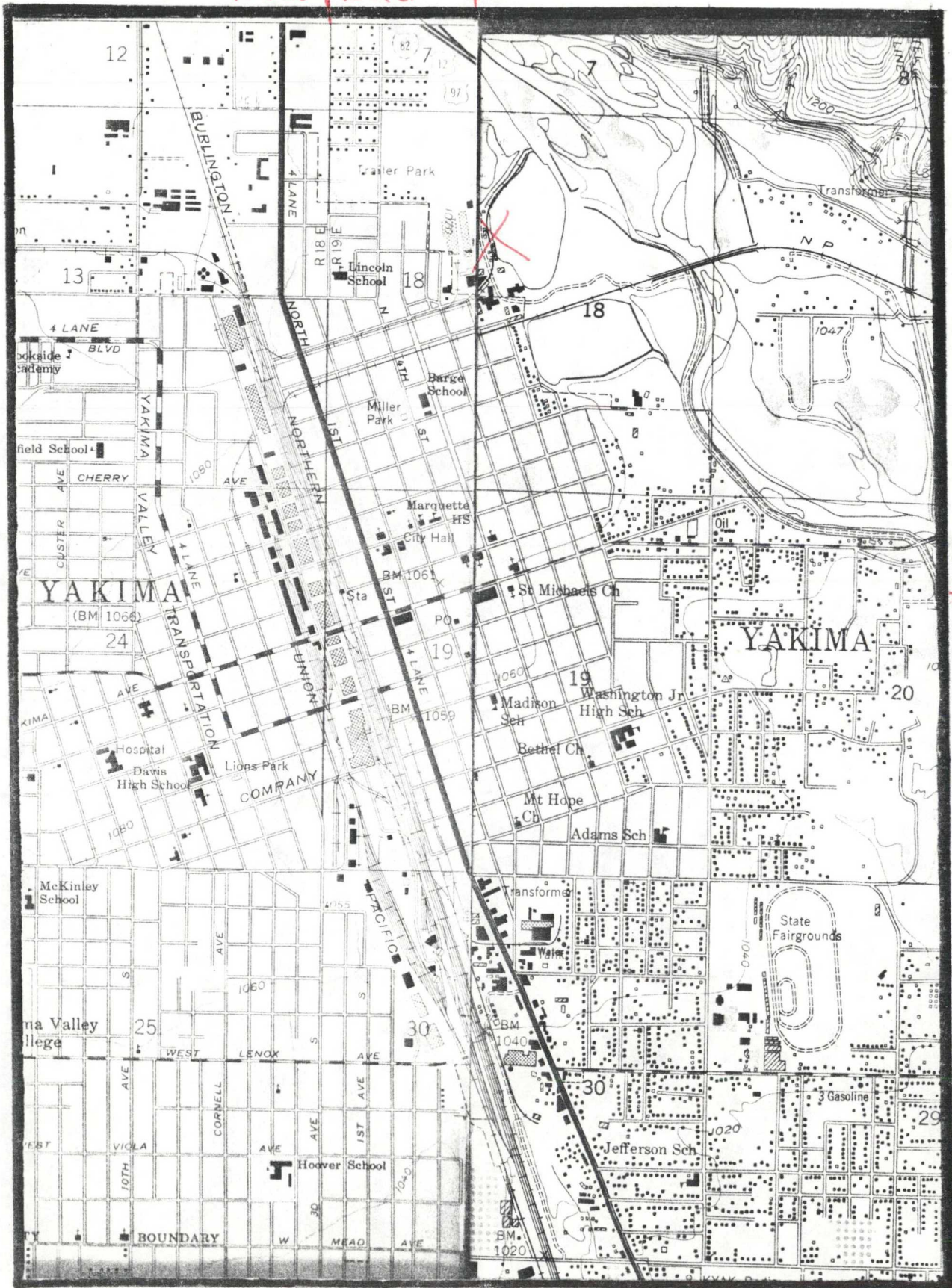
C. ESTIMATED MANHOURS AND COST BY ACTION AGENCY

1. ACTION AGENCY	2. TOTAL EST. MANHOURS FOR REMEDIAL ACTIVITIES	3. TOTAL EST. COST FOR REMEDIAL ACTIVITIES	1. ACTION AGENCY	2. TOTAL EST. MANHOURS FOR REMEDIAL ACTIVITIES	3. TOTAL EST. COST FOR REMEDIAL ACTIVITIES
a. EPA			b. STATE		
c. PRIVATE PARTIES			d. OTHER (specify)		

Yakima West 7-51 Quadrangle
1958, PR 1974

Yakima East 7-51 Quadrangle
1953

R. 18 E., R. 19 E.



X Boise Cascade

ATTACHMENT B
RCRA Section 3012 Preliminary Assessment Program
Surface and Groundwater Hydrology

Prepared for JRB Associates by Geo/Resource Consultants

Site Name Boise Cascade County Yakima

- Sources:
1. Yakima West 7.5' (1958, PR1974); Yakima East 7.5' (1953)
 2. DOE well logs from within 3-mile radius
 3. DSHS computer file
 4. USGS WS Paper 1595, 1963
 - 5.
 - 6.
 - 7.
 8. Well logs used: Carpenter
Kissel
L.E.L. Building
Thermac

Estes
McGahm
Yochan
Schooley } DOE
(attached)

GROUNDWATER

Name/description of aquifer of concern

Gravelly alluvium

Source 8

Depth from the ground surface to the highest seasonal level of the saturated zone of the aquifer of concern

< 10'

Source 8

Soil type and permeability in unsaturated zone

Gravel - permeable

Source 8

Use(s) of aquifer of concern within a 3-mile radius of the hazardous substance.
If available, indicate up-gradient or down-gradient

148 domestic wells, 15 irrigation uses, 7 industrial, 3 municipal wells

Source 2

Location (Distance, Up/Down Gradient) of nearest well drawing from aquifer of concern or occupied building not served by a public water supply

Boise Cascade Corp, < 1000' on site

Source 3

Identified water-supply well(s) drawing from aquifer of concern within a 3-mile radius of the hazardous substance and population served by each well

Public: 78 systems serve 4,708-6,572

Private:

$148 \times 3.8 = \underline{562}$

Source 2,3

Land area (in acres) irrigated by supply well(s) drawing from aquifer of concern within a 3-mile radius of the hazardous substance

15 private wells used for irrigation.
In 1953, 10,000 of 21,000 total acre-feet
withdrawn from g.w. was used for irrigation
in area around Yakima SURFACE WATER

Source 3,4

Name/description, distance, and gradient (range c/o) to nearest downslope surface water if within three miles

Directly NE to Yakima River, 10% gradient.
Unnamed pond adjacent (E) to site.

Source 1

Use(s) of surface water within 3-miles (free-flowing water) or 1-mile (static water) of the hazardous substance

recreation, irrigation

Source 1

Location of water-supply intake(s) within 3-miles (free-flowing water) or 1-mile (static water) downstream of the hazardous substance and population served by each intake

Area extensively irrigated, but intakes
upstream of site, or > 3 miles downstream.

Source 1

Land area (in acres) irrigated by supply well(s) within 3-miles (free-flowing water) or 1-mile (static water) downstream of the hazardous substance

284,000 acres irrigated in 1955 in
upper Yakima River basin

Source 4

Distance, in stream miles, to intakes cited in previous two items

Source —

ATTACHMENT B

RCRA Section 3012 Preliminary Assessment Program
Land Use and Demography

Prepared for JRB Associates by Shapiro and Associates

Site Name BOISE CASCADE County SEC 18, T13N, R19E
YAKIMA

Sources

1. YAKIMA STREET MAP
2. USGS TOPD - YAKIMA WEST / EAST
3. BOTTORFF, USFWS, 1984
4. USFWS, 1980
5. 1980 CENSUS DATA
6. TY WICK, YAKIMA WATER DEPT., JULY 23, 1984
- 7.

Distance/direction to a 5-acre (minimum) coastal wetland, if 2 miles or less

NONE

Source 2

Distance/direction to a 5-acre (minimum) freshwater wetland, if 1 mile or less

1/2 MILE NW TO SHALLOW EMERGENT MARSH

Source 2

SITE WITHIN 1 MILE OF YAKIMA RIVER

Distance/direction to a critical habitat of an endangered species, if 1 mile or less

NONE

Source 3

Distance/direction to a National Wildlife Refuge, if 1 mile or less

NONE

Source 4

Resident and/or transient population within 1 mile of site

4,700

Source 5

Public or private facilities of particular concern (e.g., parks, schools) if within 1 mile or less

PARKS - MILLER PARK, SQUIRE FIELD, KIWANIS PARK; SCHOOLS - THREELEM SCHOOLS, MARQUETTE HIGH SCHOOL, ONE SR. HIGH SCHOOL; OTHER - CITY HALL, LIBRARY, COURT HOUSE, BN RAILROAD DEPOT, YAKIMA MALL, YAKIMA CENTER, 8 CHURCHES

Source 1 & 2

Municipal sanitary sewer system and or storm sewers serving the facility?

ON SEWER

Source 6

Ultimate discharge point(s) of above sewer systems

YAKIMA RIVER

Source 6

100-year flood potential at site

WITHIN FLOOD PLAIN

Source 6

RELEASE OF CONTAMINANTS VIA AIR ROUTE
(Complete only if directed by JRB)

Population within various radii of site:

1/4 mile _____

1 mile _____

1/2 mile _____

4 miles _____

Source _____

Distance/direction to a commercial/industrial area, if 1 mile or less

Source _____

Distance/direction to a national or state park, forest or wildlife refuge if 2 miles or less

Source _____

Distance/direction to a residential area if 2 miles or less

Source _____

Distance/direction to agricultural land in production within past five years, if 1 mile or less

Source _____

Distance/direction to prime agricultural land in production within past five years, if 2 miles or less

Source _____

Distance/direction of a historic or landmark site (National Register of Historic Places and National Natural Landmarks) if within 1 mile or less

Source _____